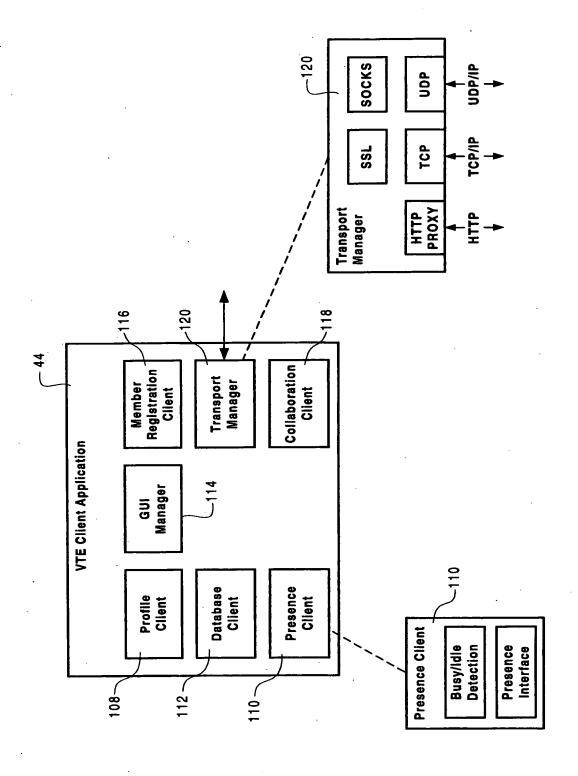
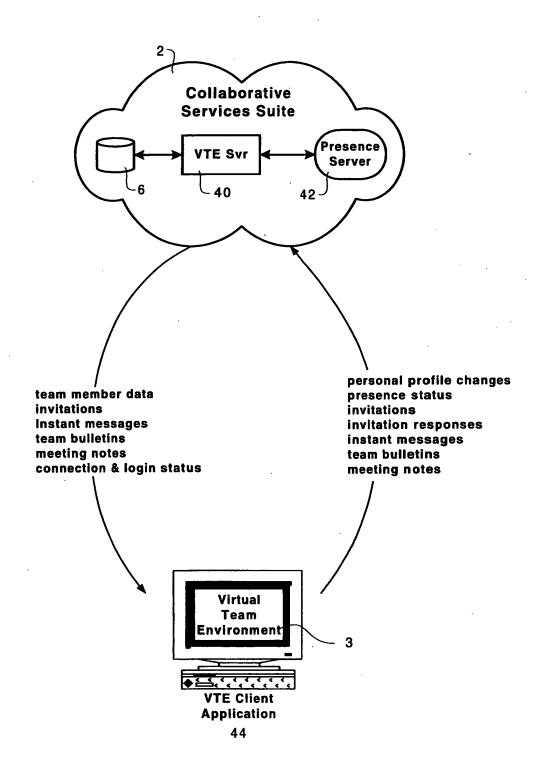


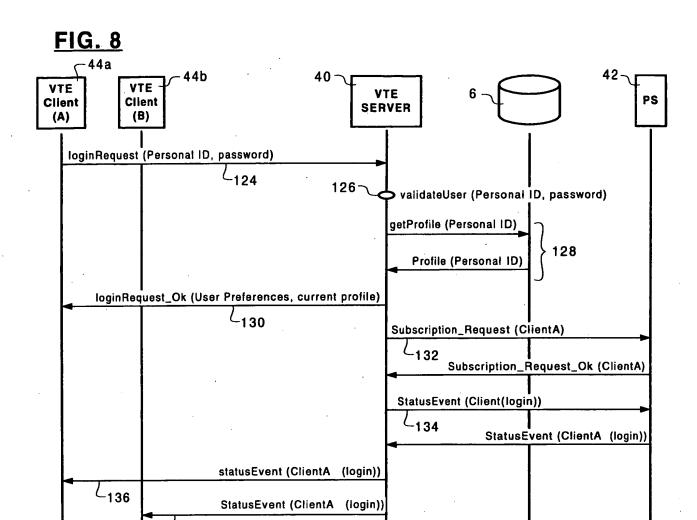
正 (5

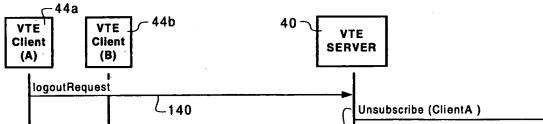


-1G. 6

FIG. 7







StatusEvent (ClientA(logout))

StatusEvent (ClientA(logout))

142

144

146

42-

Unsubscribe (ClientA, OK)

StatusEvent (ClientA(logout))

StatusEvent (ClientA(logout))

PS

^{_}138

FIG. 9

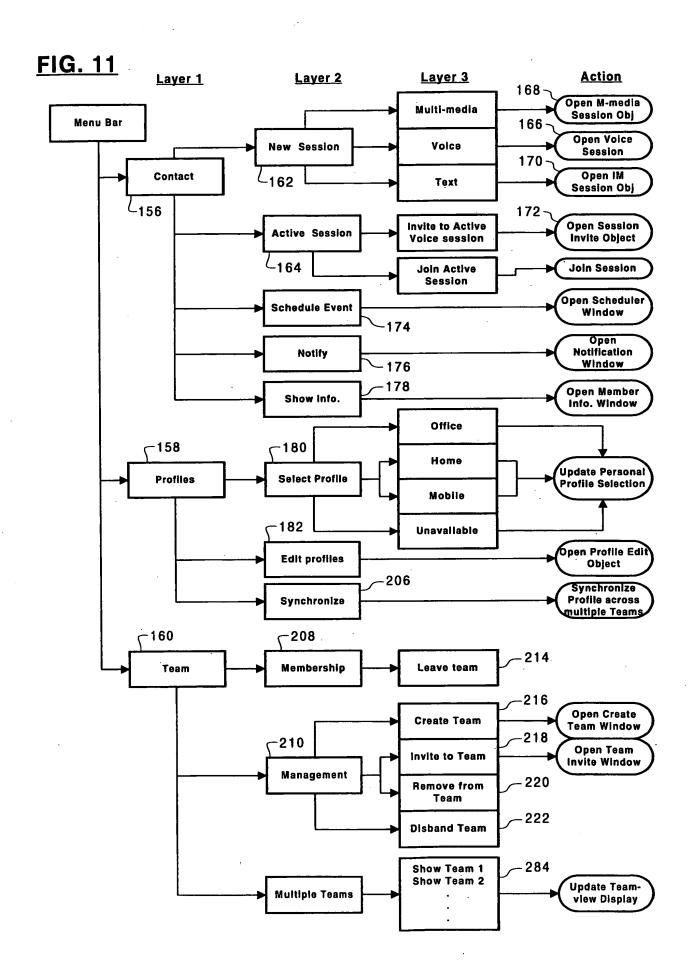


FIG. 12

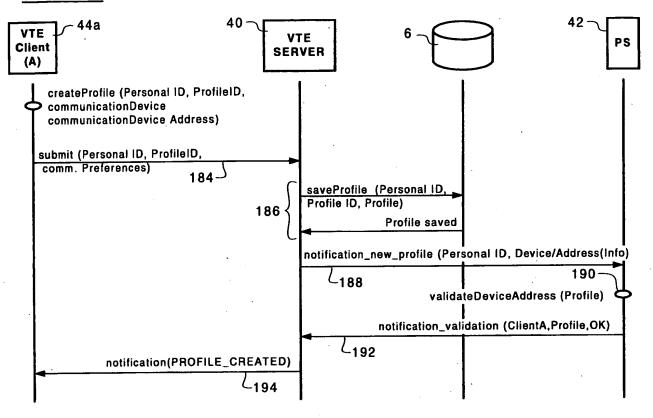
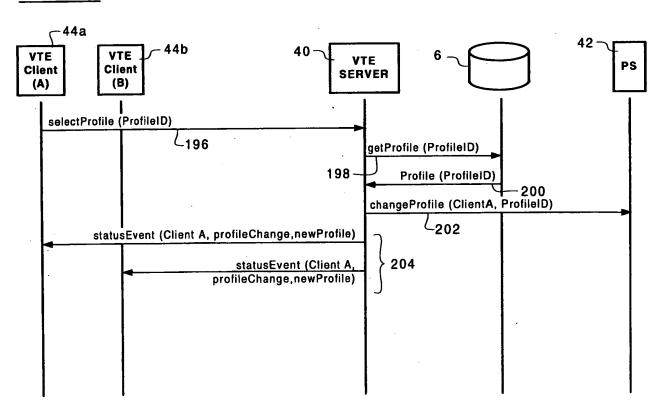


FIG. 13



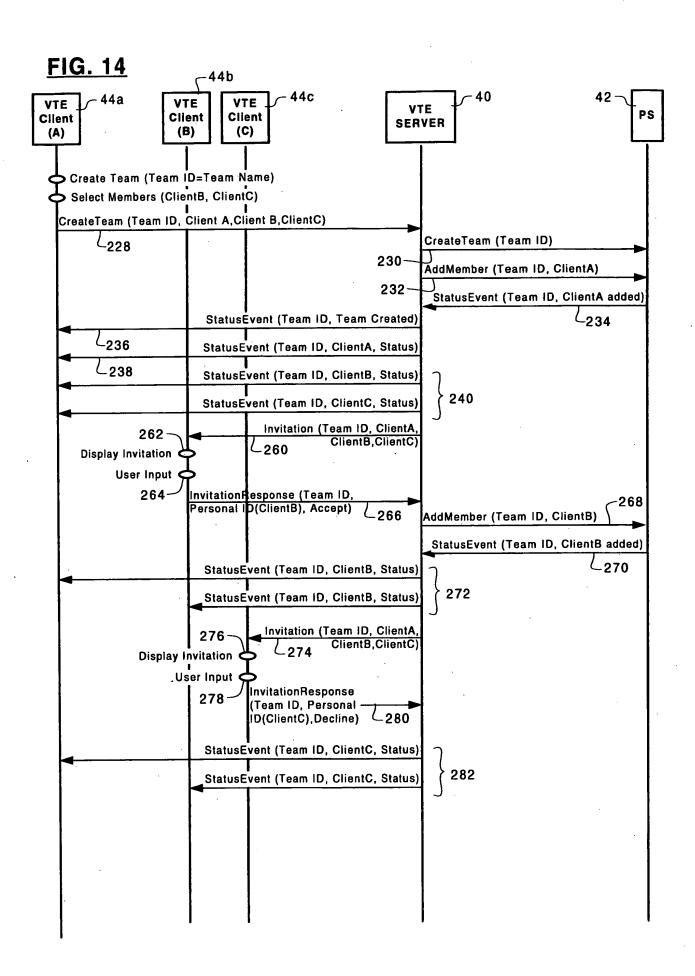


FIG. 15

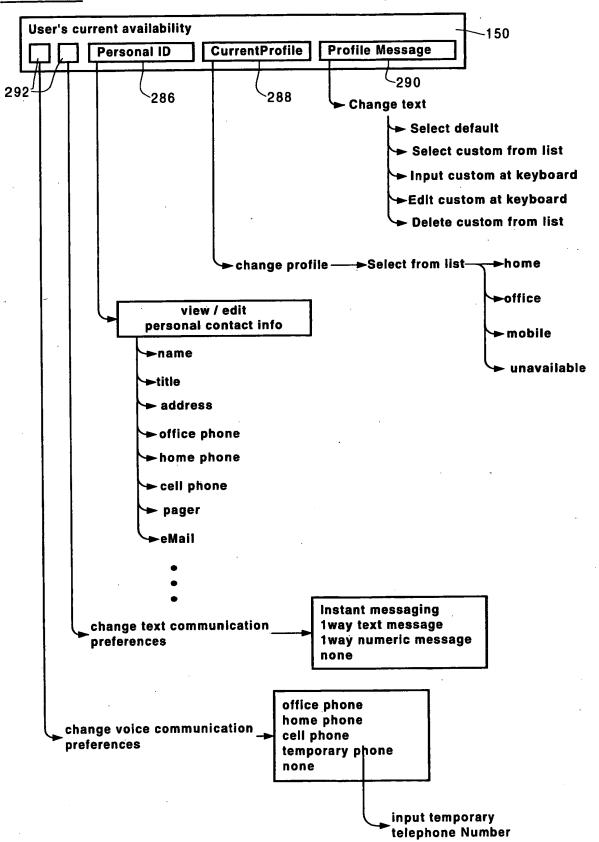


FIG. 16

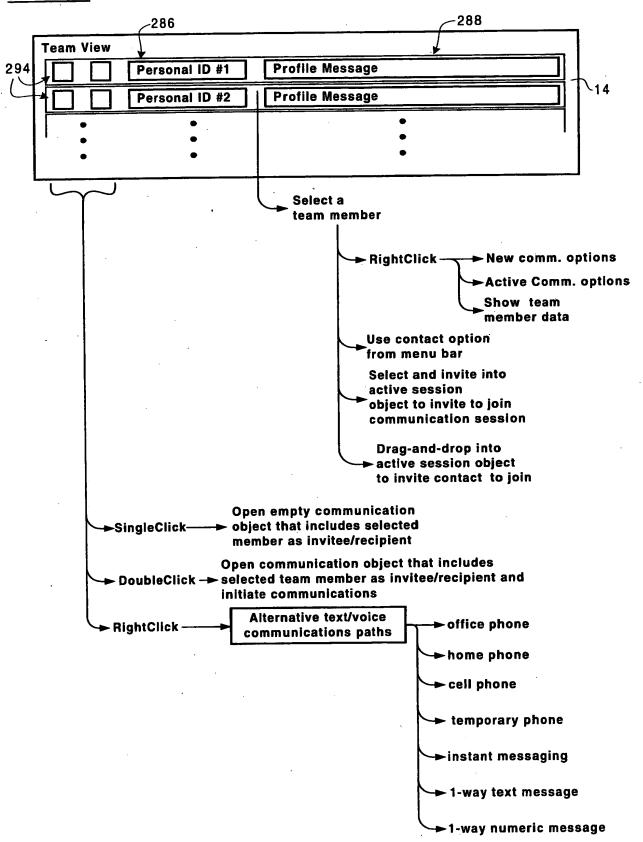
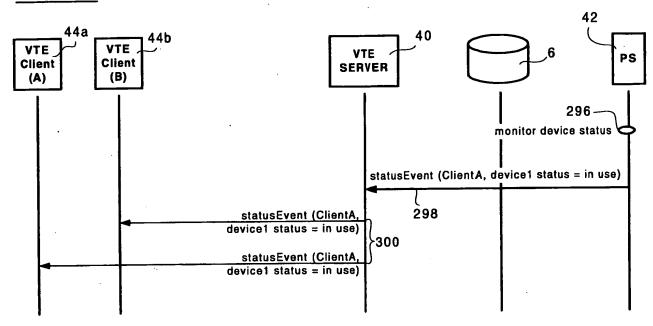


FIG. 17



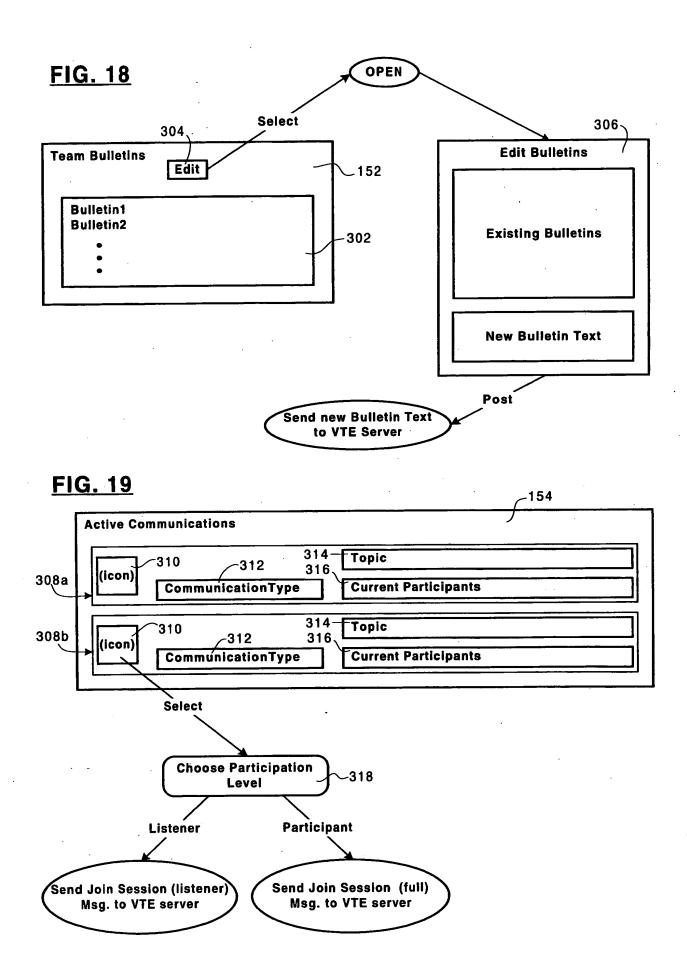
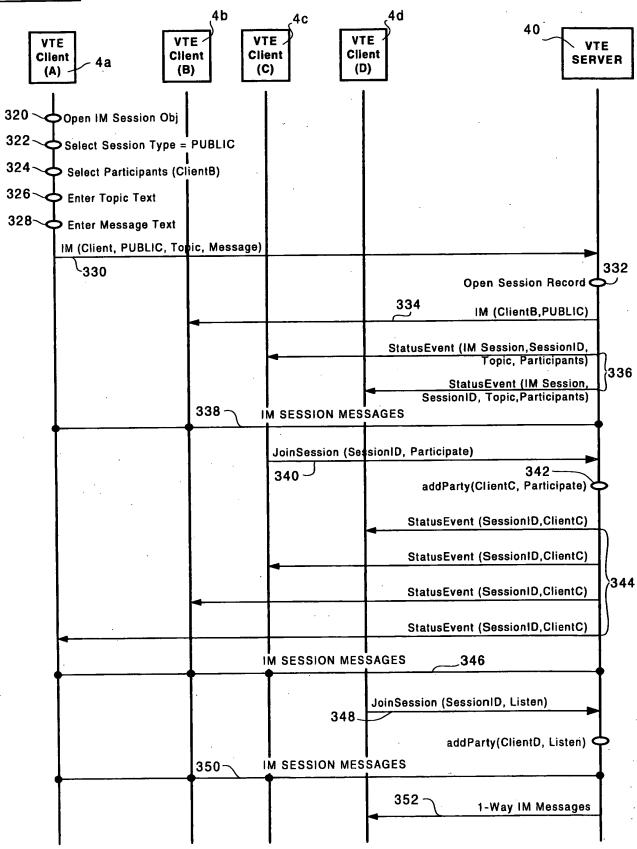
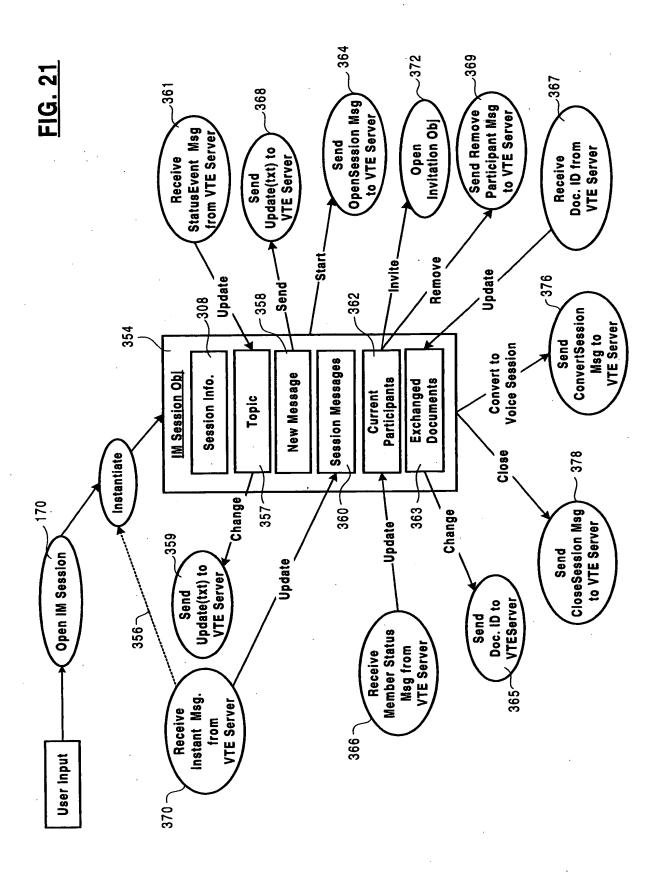
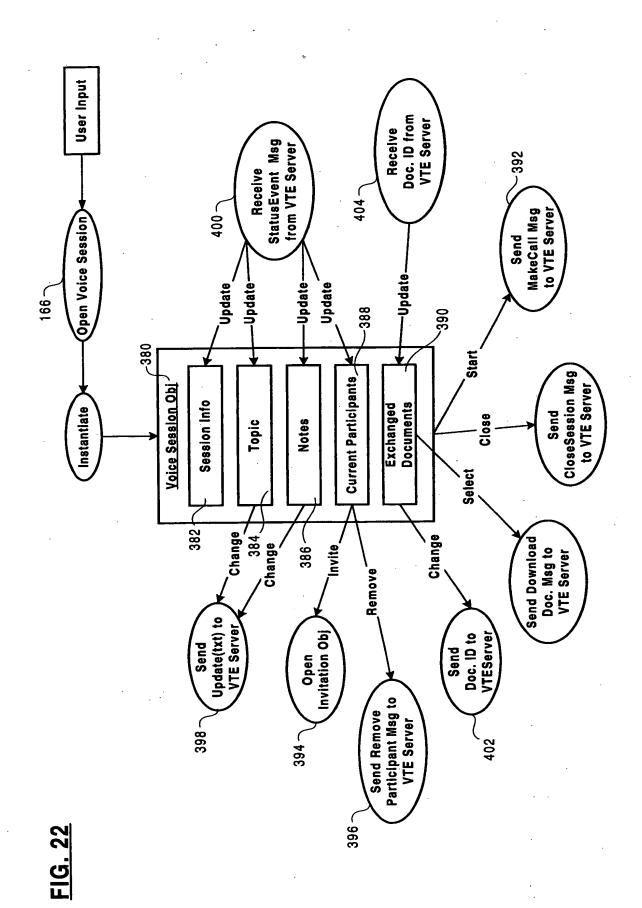
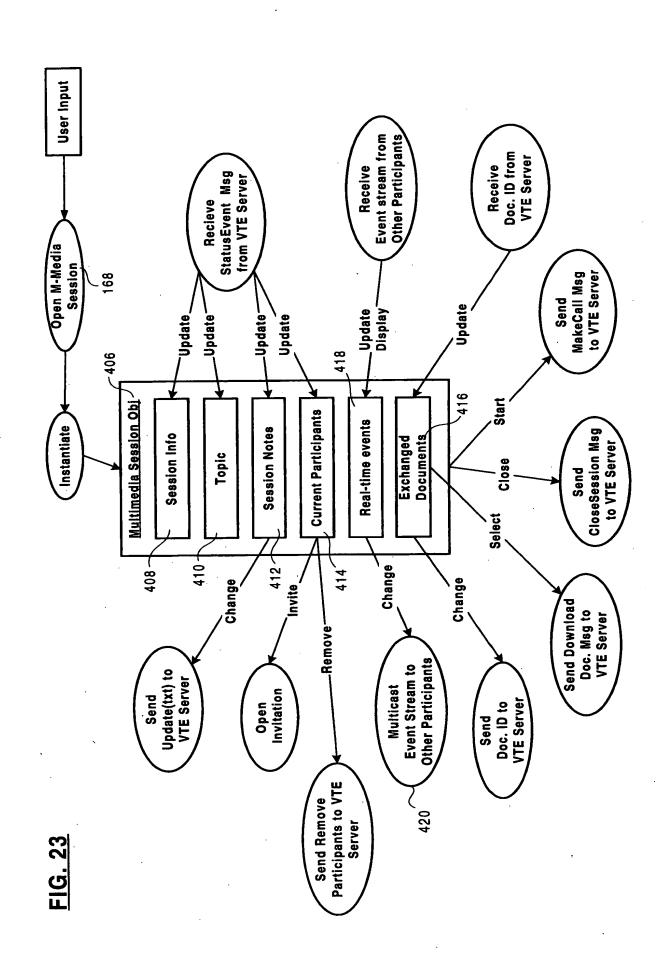


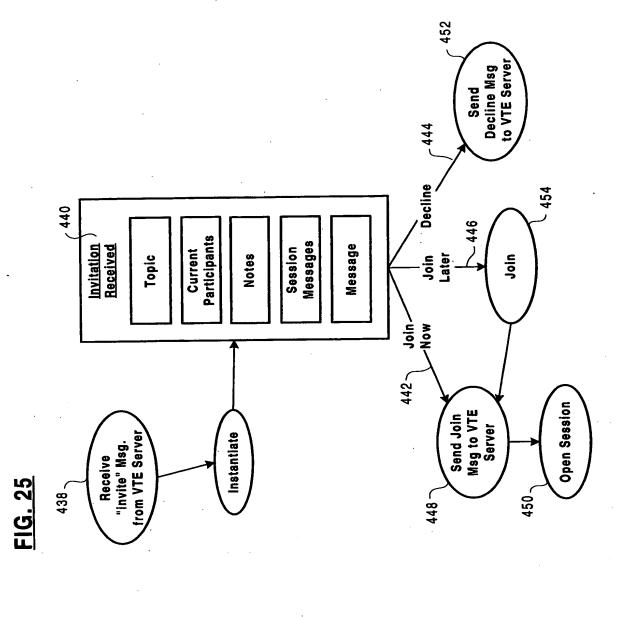
FIG. 20











Send "Invite" Msg to VTE Server Select Person Invitation Obj **Participants** Messages Directory search Message to Invite Session Current Session Invite Notes Topic <u>n</u> FIG. 24 436 430 434 422 426 ~ 428 -432

C nf. Bridge

Insert Routing Code O lusert DN(B) as (a) - 528 -508 VSP ISUP-IAM [Parity Code, CIC=E-ISUP(B)] 538 | ISUP-IAM [DN=DN(B); CIC=E-ISUP(B)] CallCreated (A,B) ISUP-IAM [DN=DN(A); CIC=E-ISUP(A)] C 554 Session ID **♦** Translate Sy Sy **546 552** StatusEvent (Call, A, B) StatusEvent (Call, A.B) Status Event (Call, A, B) GETSUP (C) 534 ¥ ISUP-ACM ISUP-ANM ISUP-IAM ISUP-ISUP-ISUP-IAM 518 1510 526 530 ر 556 ر ر 560 -564 (O E-ISUP (O) 532 **ISUP-ACM** ISUP-ANM 540 ر 550 **544** ISUP-IAM [DN=DN(A)] S t Up 2-Way Voice Communications Session 516 524 SS (Z) ISUP-ACM ISUP-ANM SS S "Ring" | -512 ISUP-ANM ISUP-ACM Display Session g S "Ring" > 566 -542 548 **D** SessionRequest (A, Session Type) O Display Session VTE Client(C) 568 **514** ر 520 O Display Session VTE Clientia Answer Initiate Session CONVERSATION A,B 562 . 502 FIG. 26 VTE Cllent(A) Answer 500 558

Conf. Bridge SSP) 574 Archive Voice Comm. Session 576 VSP SessionClosed (A,B) ISUP-RLC ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] -610 CloseSession (Session ID) SK SK Status Event (Session Type, A, B, Closed) Status Event (Session Type, A, B, Closed) 602ر Status Event (Sesssion Type, A, B, Closed) ISUP-RLC -594 ر 596 **588** ر 590 98 ISUP-REL 580 ISUP-RLC ISUP-REL ISUP- 591 REL -578 ISUP-RLC -604 ر 909 592 ISUP-RLC 612ء ر616 -620 ISUP-RLC ISUP-REL **6287** SSP (Z) idle line (584 SSP SPP ISUP-RLC (SS S) idle line 572 -608 C Remove Session VIE Cilenatic 586 Select Close Session A Remove Session Close(Session ID) VIE Clientia) 570

FIG. 27 Close 2-Way Voice Communications Session

Create Session NewSession [DN, Session ID] 658 KIII REL AddLeg (C(DN) 646 Session ID) VSP SUP-REL [CIC=E-ISUP (A)] ISUP-IAM [DN=DN(CB); CIC=E-ISUP(A)] Translate 635 SY SY Franslate Session ID 🔾 StatusEvent (C, "trying") StatusEvent (C, "pending") StatusEvent (C, "trying") StatusEvent (C, "pending") 631 Invitation (A, Topic Message, Meeting Notes, Participants, Session ID) 929 **652** -656 653 _662 ر 990 ISUP/ISUP-REL Add 3rd Party to 2-Way Voice Communications Session - PSTN 655 SUPALC ISUP-IAM SUS FEE 654~ 636 638 ر-629 **627** _625 634 AddParty (Session ID, C, Topic, Message, Meeting Notes) 632 Display Invitation | 632 Accept Invitation | Join(Session ID) A GUI O Display Message O Display Message VTE Clientics YTE Clearifie Select Add Party O Display Message O Display Message 639 FIG. 28 VTE Client(A) 628 624-637

- 648

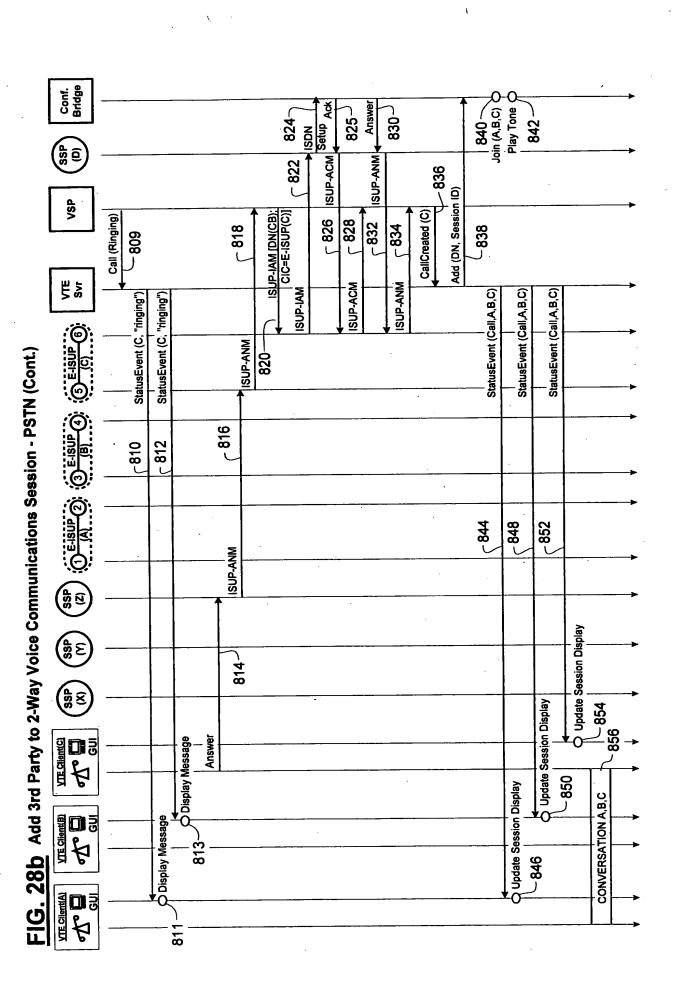
650

664 Setup

Conf. Bridge

069 -Conf. Bridge Setup Ack Join (A,B) Play Tone 9 Answer Answer Play Message ⁽ 665 ر 670 684 693 969 80 SSP (a) ISUP-ANM ISUP-ACM ISUP-ANM ISUP-ACM Add (DN, Session ID) VSP 678 CallCreated (A) 704 - CallCreated (B) ISUP-IAM [DN=DN(C); CIC=E-ISUP-IAM [DN=DN(CB); CIC=E-ISUP(B)] 692 808 ر-672 7000 206ر 999-SY SY 804 (<u>O E-ISUP</u> (<u>O)</u> (<u>O E-ISUP</u> (<u>O)</u> ISUP-ACM ر 702 **989 694** C674 999 Add 3rd Party to 2-Way Voice Communications Session - PSTN (Cont.) ISUP-IAM 989 ISUP-ANM ISUP-ACM ISUP-IAM 807 ISUP-ANM ISUP-ACM 7 805 ISUP-ACM (SSP) "Ring" SSP SPP -806 SSP SSP VIE CHANGO 803 YIE Cliente CONVERSATION A,B 28a VIE CHONEAN

And the second s



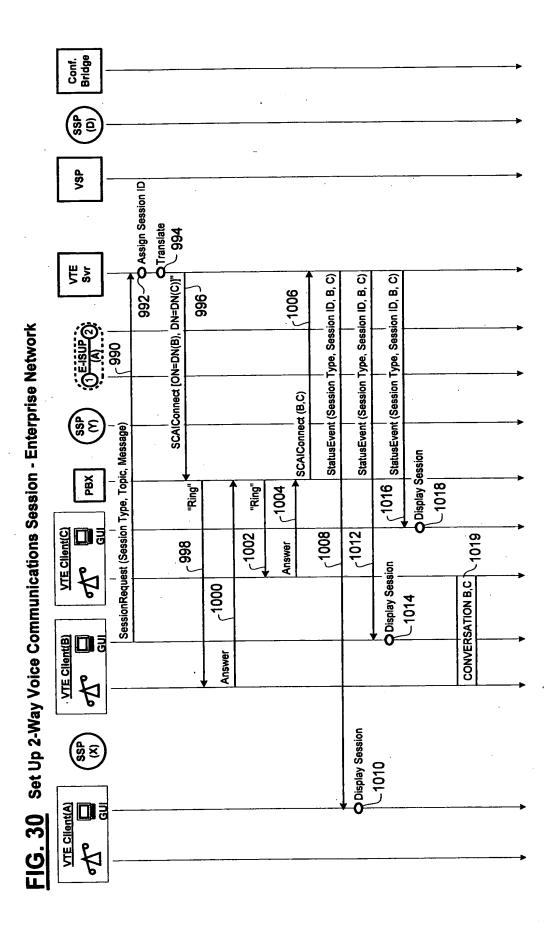
.

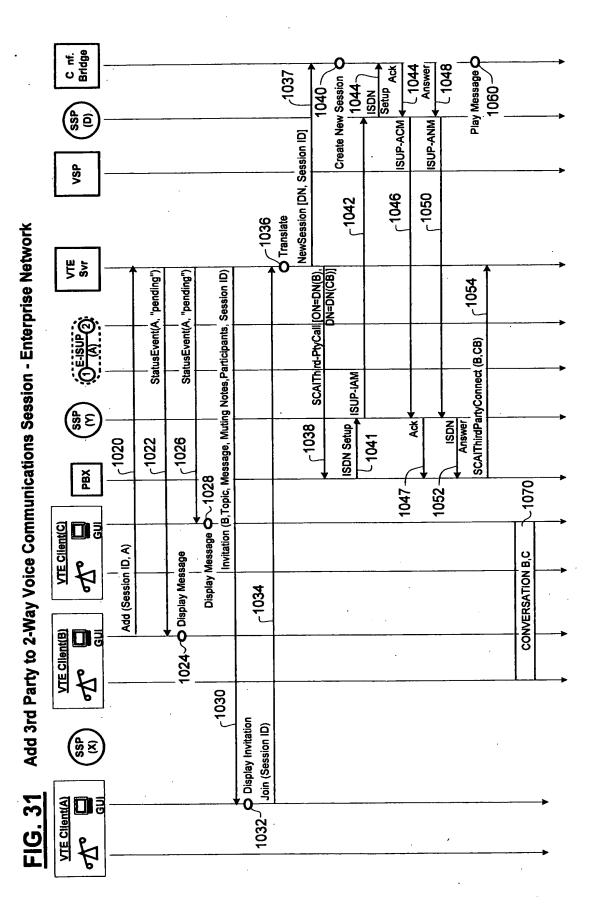
Conf. Bridge 948√ Ą 922 Release Ą Release / 924 SSP (0) ISUP-RLC ISUP-RLC -904 Archive Comm. Session VSP ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(B)] CloseSession (Session ID) 942 930 SY SY 940 1944 918 1919 ر-920 928 **938** ISUP-RLC (O E-ISUP (D) 1916 ISUP-REL ISUP-RLC ISUP-REL **806** ∟ 906 ISUP-RLC ISUP-REL ISUP-RLC -932 934 ISUP-REL SSP (Z) -912 ISUP-RLC SSP 910 ISUP-RLC idle line SS X 006 ر idle line 936 YE Gland 914 Select Close Session YTE CHANTED! Close(Session ID) YTE Glentida GUI 858

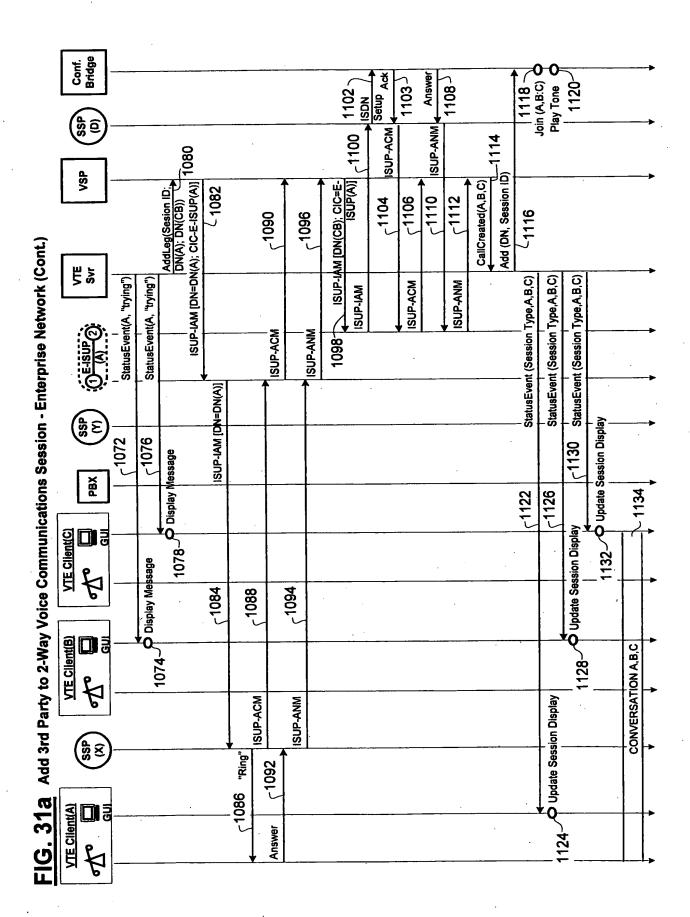
FIG. 29 Close 3-Way Voice Communications Session

Conf. Bridge À Release 970 SSP (C) ISUP-RLC 996 -962 VSP SessionClosed (Session ID) ISUP-REL [CIC=E-ISUP-REL (CIC=E-ISUP(C)) -964 -963 952 SY SY ISUP-RLC ISUP-REL StatusEvent (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) ISUP-RLC 1096 950 ISUP-REL 954 926 Close 3-Way Voice Communications Session (Cont.) ISUP-RLC SSP (Z) idle line 980 -976 984 Remove Session SS S 928 A Remove Session VE Cleantic **-982** Remove Session YE Cliente FIG. 29a ¹ 678 VTE Cilentia

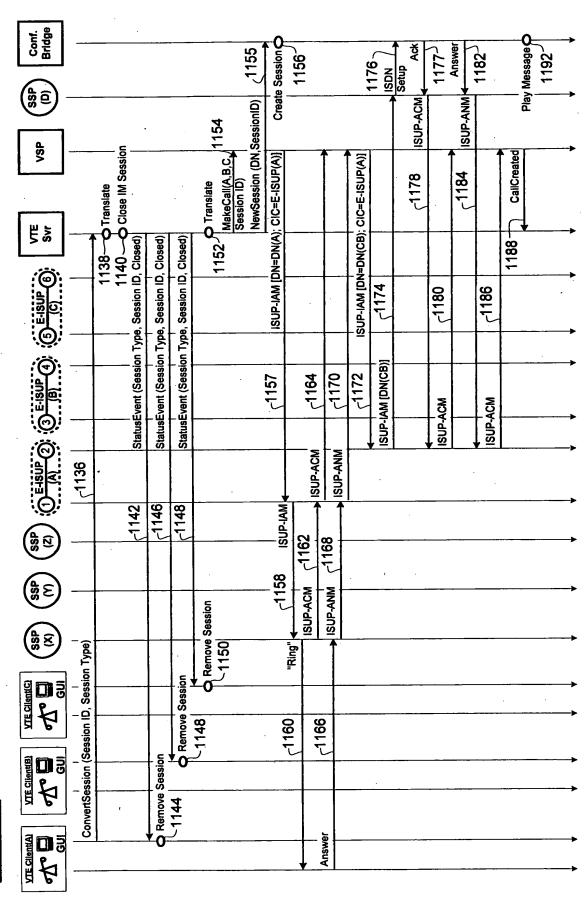
Harth Staff Last No Sons His



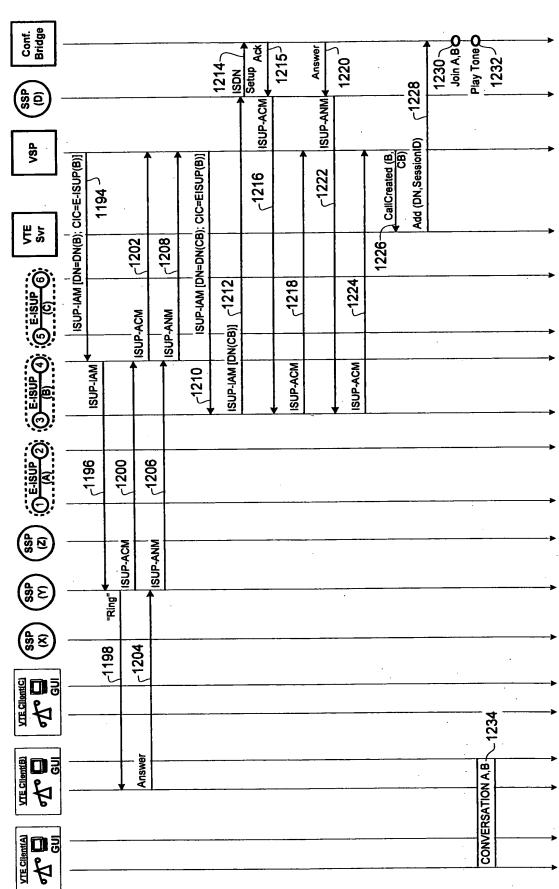




Convert 3-Way IM Session to 3-Way Voice Communications Session 32 **H**G.



32a Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) FIG.



Conf. Bridge 1274 Join A,B Play Tone Ą Answer 1257 1256 1276-1262 Setup ISDN gg (2) SUP-ANM ISUP-ACM 1254₇ 1272₇ VSP CallCreated (A,B,C) ISUP-IAM [DN(CB); CIC=E-ISUP(C)] ISUP-IAM [DN=DN(C), CIC=E-ISUP(C)] 1258₇ 1260₇ 1264₇ 1268₇ 1244₇ 1250₇ 1236 ISUP-ANM SYE SYE ISUP-ANM ISUP-ACM ISUP-IAM StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) 1252-ISUP-ACM ISUP-ANM (S) E-ISUP FIG. 32b Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-IAM ر1248 ر1242 (O EASUP (O) ر1238 1282₇ 1278₇ 1286₇ ISUP-ACM ISUP-ANM SSP Z "Ring" (gg S ر1240 ر1246 O Display Session (SS S O Display Session VTE CIlentici Answer CONVERSATION A,B,C STECTION OF STATE OF O Display Session VIE Cilentida A GUI

Conf. Bridge SSP (D) 1308 VSP 1296 Assign Session ID MakeCall(DN(A), (DN(B), Session ID) 1298~ Translate 1306~ Translate YE Syr Notification (B, Participant, B's IP Address, Session ID) Notification (A, Participant, A's IP Address, Session ID) StatusEvent (A, B, Session Type) Invitation (A, Session Type, Topic, Message, Session ID) -1310 SEE STEPS 510 - 554 OF FIG. 26 1294 SSP ₇1312 ر1316 1300ء ر1304 ر1320 SS S O Display Session SessionRequest (B, Session Type, Topic, Message) SS X Acceptinvitation (Session ID) Build MM Window O Display Session O Display Invitation VTE Clentici _1332 1326 VE CHANGE Initiate Session Display Session 1302 MULTI-MEDIA SESSION A,B IPSet-up Data Transfer O Build MM Window 0 VTE Client(A) 1292 1314 1324-

FIG. 33 Set-up 2-way Multi-Media Session

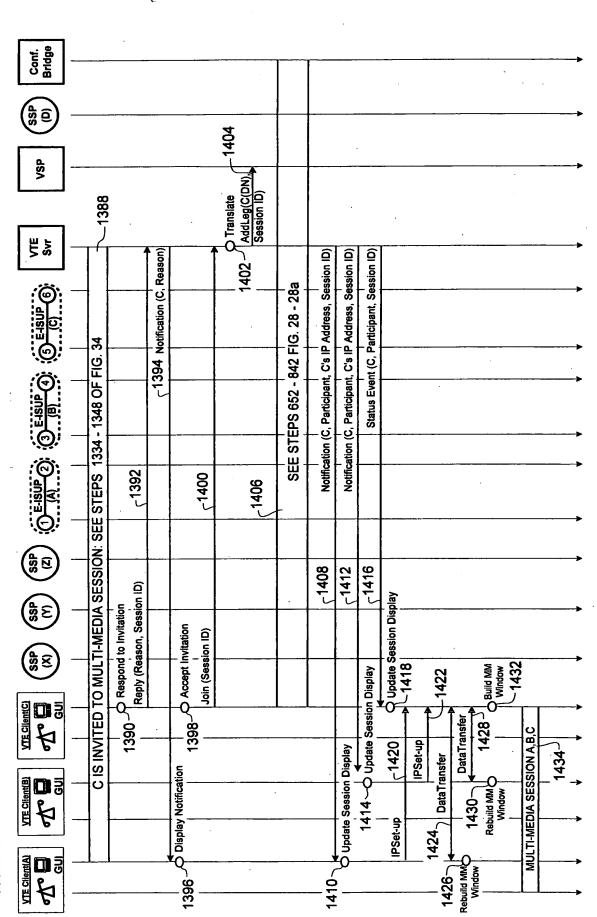
Conf. Bridge

SS (C)

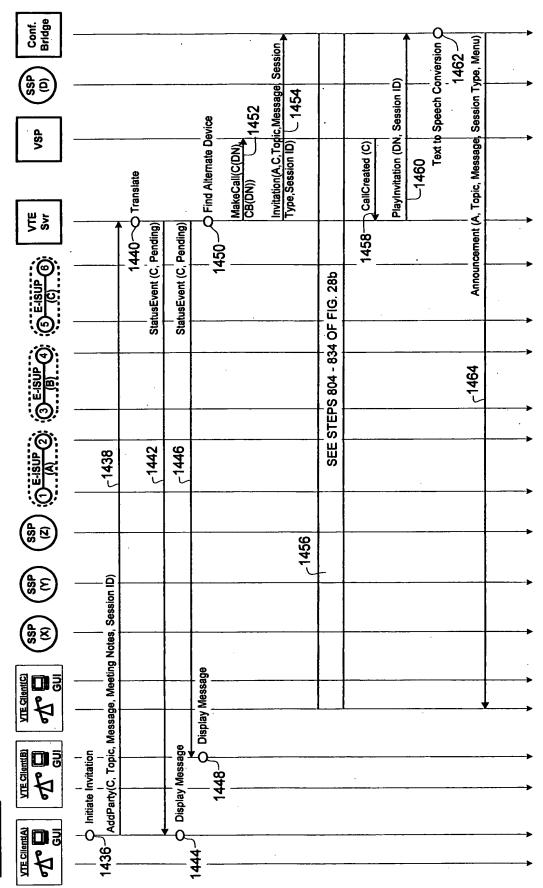
VSP AddLeg(C(DN), Translate S Z StatusEvent (C, Pending) StatusEvent (C, Pending) Notification (C, Participant, C's IP Address) Notification (C, Participant, C's IP Address) StatusEvent (C, Participant) Invitation (A, Topic, Message, Meeting Notes, Participants/Invitees, Session ID) 354 SEE STEPS 652 - 842 OF FIG. 28 - 28b (O E-ISUP (O) ر-1360 -1342 ر1346 ر-1352 _~1364 1368 SSP (Z) Add 3rd Party to Multi-media Session 1336 1358 O Update Session Display SSP Display Invitation Accept Invitation Join (Session ID) SS X -1386 1384 71370 AddParty(C, Topic, Message, Meeting Notes) 1338 1380 > Q Build MM -1374 Update Session Display 1350 O Display Message VIE CHENTEC DataTransfer 1340 1372 MULTI-MEDIA SESSION A,B,C IPSet-up O Update Session Display 1376 DataTransfer Display Message A CO O Initiate Add Party Rebuild MM O VTE Client(B) 1382 IPSet-up FIG. 34 1344 O L A GU Rebuild MIMO Window VTE Client(A) 1334 1362

1356

FIG. 35 Add 3rd Party to Multi-media Session (Deferred Acceptance)



Add 3rd Party to Multi-media Session (3rd Party Not Logged to VTE) FIG. 36



Add 3rd Party to Multi-media Session (3rd Party Not Logged on to VTE) (Cont.) FIG. 36a

